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	ΛC	5,652,112	7/29/97	Eyre	435	7.1	
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	AE	5,576,189	11/19/96	Eyre	435	7.92	
	ΛF	5,656,439	8/12/97	Eyre	435		
	AG	5,945,274	8/31/99	Eyre		7.1	
	AH	4,973,666	11/27/90	Eyre	435	4	
	AI	5,939,274	8/17/99	Eyre	530	323	
	AJ	5,736,344	4/7/98	Kung	435	7.1	
	AK	5,972,623	10/26/99	Krane	435	7.9	
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	AM	6,025,144	2/15/00		435	7.1	
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	AO	5,962,236		Eyre	435	7.1	
$-\!$	AP		10/5/99	Eyre	435	7.1	
		5,641,687	6/24/97	Eyre	436	518	
	AQ	5,455.179	10/3/95	Eyre	436	536	
	AR	5,919,634	7/6/99	Eyre	435	7.1	
	AS	5,702,909	12/30/97	Eyre	435	7.9	
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	ΑÜ	5,473,052	12/5/95	Eyre	530	387.9	
	AV	5,700,694	12/23/97	Robins	436	64	
	AW	4,628,027	12/9/86	Gay	435	7	
	ĄΧ	5,912,131	6/15/99	Eyre	435	7.1	
	ΛY	5,472,884	12/5/95	Eyre	436	518	
	AZ	5,320,970	6/14/94	Еуге	436	536	
	BA	5,962,639	10/5/99	Eyre	530	329	
	BB	5,140,103	8/18/92	Eyre	530	327	
	BC	5,750,647	5/12/98	Eyre	530	328	
	BD	5,817,755	10/6/98	Eyre	530		<del></del>
	BE	5,700,693	12/23/97	Robins	436	328 64	
	BF	5,677,198	10/14/97	Eyre	436		
	BG	5,607,862	3/4/97	Еуге		518	
	ВН	5,688,652	11/18/97	Eyre	. 436	501	
1/				-7	435	7.1	_

FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE TRANSLATION YES COUNTRY CLASS SUBCLASS BI WO86/06374 NO 11/6/86 PCT C07D 309/34 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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## U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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## INFORMATION DISCLOSURE CITATION

APPLICANT: Jeffrey D. Brady, et al GROUP FILING DATE Herewith

		U	S. PATENT DOCUMENTS			
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FOREIGN PATENT DOCUMENTS SUBCLASS TRANSLATION CLASS COUNTRY NO DATE DOCUMENT

		NO.
		Title Date Pertinent Pages, Etc.)
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  Adamczyk, et al.: "Synthesis of Immunoreagents for Detection of Deoxypyrrololine, a Cross-link of Bone Collagen",
SH	CA	Adamczyk et al.: "Synthesis of Immunoreagents for Detection of Detecti
SH	·	Adamczyk, et al.: Syndics of the Strain Syndics of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley, et al.: "Proteolysis of Human Bone Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Atley of the Collagen by Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characterization of the Clevage Sites Generating the Cathepsin K: Characte
$\top$	СВ	Atley, et al.: "Proteolysis of Human Bone College of School, No. 3, pp. 241-247, March 2000  Cross-Linked N-Telopeptide Neopitope", Bone, Vol. 26, No. 3, pp. 241-247, March 2000  Cross-Linked N-Telopeptide Neopitope", Bone, Vol. 26, No. 3, pp. 241-247, March 2000
1_		Cross-Linked N-Telopeptide Neopitope", Bone, Vol. 26, No. 3, pp. 241-247, Manual 2004  Brame, et al: Identification of Extremely Reactive y-Ketoaldehydes (Isolevuglandins) as Products of the Isoprostane Pathway  Brame, et al: Identification of Extremely Reactive y-Ketoaldehydes (Isolevuglandins) as Products of the Isoprostane Pathway  Brame, et al: Identification of Extremely Reactive y-Ketoaldehydes (Isolevuglandins) as Products of the Isoprostance Pathway
T -	CC	Brame, et al: Identification of Extremely Reactive y-Ketoaldehydes (Isolevugiandins) as House as Troube and Characterization of Their Lysyl Protein Adducts", The Journal of Biological Chemistry, Vol. 274, No. 19, pp. 13139-
1	1	and Characterization of Their Lysyl Floten Added your Park
		13146, May 7, 1999  Hanson, et al: "Molecular Site Specificity of Pyridinoline and Pyrrole Cross-links in Type I Collagen of Human Bone", The
-	CD	Hanson, et al: "Molecular site specificity of 171, No. 43, pp. 26508-26516, October 25, 1996  Journal of Biological Chemistry, Vol. 271, No. 43, pp. 26508-26516, October 25, 1996  Journal of Biological Chemistry, Vol. 271, No. 43, pp. 26508-26516, October 25, 1996
_		Journal of Biological Chemistry, Vol. 271, No. 43, pp. 26508-26516, October 23, 1990  Hughes, et al: "A Collagen-associated Ehrlich Chromogen: a Pyrrolic Cross-link?", Bioscience Reports (UK), Vol. 1, pp. 611
١	CE	riugnes, et al. A Collage a december 1997 and 19
		618. (1981) Kemp, et al: "Ehrlich Chromogens, Probable Cross-links in Elastin and Collagen", Biochemical Journal (UK), Vol. 252, pp.
- 1	CF	1 327, 303 (1988)
	CG	387-393 (1988)  Kuypers, et al: "Identification of the Loci of the Collagen-associated Ehrlich Chromogen in Type I Collagen Confirms its  Kuypers, et al: "Identification of the Loci of the Collagen-associated Ehrlich Chromogen in Type I Collagen Confirms its  Kuypers, et al: "Identification of the Loci of the Collagen-associated Ehrlich Chromogen in Type I Collagen Confirms its
- 1	100	Kuypers, et al: "Identification of the Exercisin Level (UK), Vol. 283, pp. 129-136 (1992)  Role as a Trivalent Cross-link", Biochemical Journal (UK), Vol. 283, pp. 129-136 (1992)
-+-	СН	Lombard, et al: "Comparison of Three Reagents for Detecting indicates and the second of the second o
l	0	Lombard, et al: "Comparison of Three Reagents to Between 1983  Systems", Journal of Clinical Microbiology, Vol. 18, No. 3, pp. 609-613, September 1983  Systems", Journal of Electrochemical Society, Vol. 133, No. 6, pp. 1242-  McBrayer, et al: "Diffusion of Metals in Silicon Dioxide", Journal of Electrochemical Society, Vol. 133, No. 6, pp. 1242-
-+	· ci	McBraver et al: "Diffusion of Metals in Sincoll Dioxide", Journal of
1		1246, June 1986 Side of Films Under Rias Temperature Stress", Thin Solid Films, Vol 262
- +	CJ	1246, June 1986  Raghavan, et al: "Diffusion of Copper Through Dielectric Films Under Bias Temperature Stress", Thin Solid Films, Vol 262
- 1		pp. 168-176 (1995)  Rajkumar, et al: "Generation of Pyrroles in the Reaction of Levuglandin E <sub>2</sub> with Proteins", Journal of Organic Chemistry,
	CK	Rajkumar, et al: "Generation of Pyrrotes in the Reaction of Exergistics and Pyrrotes in the Reaction of Exercisis and Pyrrotes and Pyrr
		Vol. 59, pp. 6038-6043, (1994)  Ramanakoppa H. Nagaraj, et al: "Protein Modification by the Degradation Products of Ascorbate: Formation of a Novel  Ramanakoppa H. Nagaraj, et al: "Protein Modification by the Degradation Products of Ascorbate: Formation of a Novel
	CL	Ramanakoppa H. Nagaraj, et al: "Protein Modification by the Degradation Products of Nacotodar Nacotodar (1995)  Pyrrole from the Maillard Reaction of L-threose with Proteins", Biochimica et Biophysica Acta, Vol. 1253, pp. 75-84 (1995)  Pyrrole from the Maillard Reaction of L-threose with Proteins", Biochimica et Biophysica Acta, Vol. 1253, pp. 75-84 (1995)  Pyrrole from the Maillard Reaction of L-threose with Proteins", Biochimica et Biophysica Acta, Vol. 1253, pp. 75-84 (1995)
		Pyrrole from the Maillard Reaction of L-threose with Proteins", Biochimica et alophysica Petrole New York Salomon, et al: "Protein Adducts of Iso[4]levuglandin E <sub>2</sub> , a Product of the Isoprostane Pathway, in Oxidized Low Density Salomon, et al: "Protein Adducts of Iso[4]levuglandin E <sub>2</sub> , a Product of the Isoprostane Pathway, in Oxidized Low Density
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	CZ	Chemical Abstracts 83:44737 abstracting German Publication No. 245588 (1973)  G.K. Reddy and C.S. Enwemeka: "Methdo for Assaying Pyrrole-Containing biological Compounds", Clinical biochemistry
	DA	G.K. Reddy and C.S. Enwerneka. Wieulido tol 7535) ing 7,100
<b>_</b>		29(3): 225-229 (1996)  M. Stefek, A. Gajdosik, a. Gajdosikova, L. Krizanova, "Dimethylaminobenzaldehyde-reative substances in tail tendon  M. Stefek, A. Gajdosik, a. Gajdosikova, L. Krizanova, "Dimethylaminobenzaldehyde-reative substances in tail tendon
	DB	
l V		(AGE)-related fluorescence", Biochimica et Biophysical Acta 1502:398-404 (2000)
11		(Additional motoscore   2-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0

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